

What is claimed is:

1. A color filter array having a red filter layer on a substrate wherein the red filter layer comprises
  - 5 a xanthene dye having its absorption maximum at a wavelength of 500 to 600 nm, and a pirazolone azo dye having its absorption maximum at a wavelength of 400 to 550 nm; and has a transmittance at a wavelength of 535 nm of 1% or less
  - 10 and that at 650 nm of 90% or more.
2. The color filter array having a red filter layer on a substrate according to claim 1, wherein the red filter layer further comprises a pyridone azo dye having its absorption maximum at a wavelength of
  - 15 400 to 500 nm, and has a transmittance of 5% or less at 450 nm.
3. A process for producing a color filter array having a red filter layer on a substrate which comprises the step of patterning a photosensitive resin composition comprising
  - 20 a xanthene dye having its absorption maximum at a wavelength of 500 to 600 nm, and a pirazolone azo dye having its absorption maximum at a wavelength of 400 to 550 nm; and
  - 25 to form the red filter layer having a transmittance at a wavelength of 535 nm of 1% or less and that at 650 nm of 90% or more.